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Landrum et al.

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(54) **COMPUTER SYSTEM WITH IN-LINE SWITCHBOX MOUNTING**

5,801,921 * 9/1998 Miller 361/686
6,022,087 * 2/2000 Gibert 312/194

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* cited by examiner

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(*) Notice: Under 35 U.S.C. 154(b), the term of this patent shall be extended for 0 days.

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(57) **ABSTRACT**

(51) Int. Cl.⁷ **H05K 5/00; H05K 7/00**

(52) U.S. Cl. **361/683; 361/681; 361/686; 361/724; 361/727; 312/223.1; 312/223.2**

(58) Field of Search **361/686, 683, 361/681, 724, 727; 312/223.1, 223.2; 364/705.01, 708.1**

An apparatus includes a cabinet, a keyboard assembly, and a switchbox. The cabinet has mounting rails. The keyboard assembly includes a keyboard tray and a keyboard slide. The keyboard slide has fixed and moveable portions. The fixed portion is mounted to the mounting rails, and the moveable portion is mounted to the keyboard tray. A switchbox is mounted to the fixed portion of the keyboard slide.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,388,032 * 2/1995 Gill et al. 364/146

10 Claims, 6 Drawing Sheets

